

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/527,100
Source: PCT
Date Processed by STIC: 05/12/2006

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,100

DATE: 05/12/2006

TIME: 08:51:02

Input Set : F:\P1977R1 Sequence Listing.txt
 Output Set: N:\CRF4\05122006\J527100.raw

3 <110> APPLICANT: SARAH C. BODARY
 4 JANET K. JACKMAN
 5 BRISDELL HUNTE
 6 HILARY CLARK
 7 JILL R. SCHOENFELD
 8 P. MICKEY WILLIAMS
 9 WILLIAM I. WOOD
 10 THOMAS D. WU
 12 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
 13 RELATED DISEASES
 15 <130> FILE REFERENCE: P1977R1-US
 17 <140> CURRENT APPLICATION NUMBER: US 10/527,100
 18 <141> CURRENT FILING DATE: 2005-03-09
 20 <150> PRIOR APPLICATION NUMBER: PCT/US03/028317
 21 <151> PRIOR FILING DATE: 2003-09-10
 23 <150> PRIOR APPLICATION NUMBER: US 60/410,340
 24 <151> PRIOR FILING DATE: 2002-09-11
 26 <160> NUMBER OF SEQ ID NOS: 106
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 1989
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Homo sapiens
 33 <400> SEQUENCE: 1
 34 ggcacgaggg cgtcacgggc gcccggcccg taaaaacgct gctggctgga 50
 36 gcccacccccc tccctgcagc ccgcaacggg aatggagtaa agggagaccc 100
 38 gtcgacacctgg ccacggggat cagcgatgga attaaagcaa tctttgtcca 150
 40 cccatctgga agccgagaag cctctgaggc gctatggggc ggtggagag 200
 42 acggcttggaa aaacggagag actggggaga aatcagctgg acatcatctc 250
 44 catggcggag acaaccatga tgccagagga gattgagctg gagatggcaa 300
 46 aaatttcagcg tctccggaa gtcttggtcc gccgggagtc tgagctcagg 350
 48 ttcatgatgg atgacatcca gctctgcaag gacatcatgg acttgaagca 400
 50 ggagctgcag aacttggtcg ccatcccaga aaaagaaaaa accaaactgc 450
 52 agaagcagag agaggatgag ctaatccaga agatccacaa actgggtcag 500
 54 aagagagact tcctgggtgg a cgatgcggag gtcgagcgt taagggagca 550
 56 agaagaagac aaggaaatgg ctgatttcct gagaatcaag taaaaacctc 600
 58 tagacaaaagt aaccaaatact ccagccagct cccggggcaga gaagaaaagca 650
 60 gagcccccac ctagcaagcc cacgggtggcc aagacggggc tggcactgtat 700
 62 caaggattgt tgcggggcca cccagtgcaa catcatgttag ccccccacgtg 750
 64 gggtgtccctg ggcacatgggg accccccccccc accctcttgc ttttatagcc 800
 66 cccatccac cggggcccaa gagctctcca aggccagaagg ggttgaaggc 850
 68 aagcccgtaa ctgtcaccag aggccatggg cacggcaggc gggcctggcc 900
 70 accctgtaca gagtgtagca gttagggagtc tctcaccgtc gcatggtccct 950
 72 cccccagagca tgccgaaccc aggagtctgt ctcactgtt atccaaacac 1000

(Pg -6)

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Input Set : F:\P1977R1 Sequence Listing.txt
 Output Set: N:\CRF4\05122006\J527100.raw

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74 cagggaaaggc cctccctcaa aaaagcatat ctccacttct ctcttagctgt 1050
76 atctaaccgc ccgtgtgaat gaactgggag aggggcacatgc tccccagctg 1100
78 tgtgtagtc tgacttctca acaatctagc accatgtcg acacgttccc 1150
80 catccaccct cctagctctg ctctcagagc taggcacatg ggcacaggtc 1200
82 ccctcccggtc tgtccctctcc cagcaactgt gccttggagg gctccacatg 1250
84 gccccccgtgt ctctcgggca ccacccatata agcagtccca gagggcccat 1300
86 ctgtaaagat cgagcttgtg tgtggtgtcg tggcacatc tcccgcttcc 1350
88 ccccatcctg tgtctggca cagttcacat caggacagcg tccattgtgc 1400
90 tccagtctg cctcaagggtgt gtgcctggag ggggcctgga ctggcatgga 1450
92 tccagtgtgc agaagagcca gcaggaaacc ggaagctctg atgtcaaggc 1500
94 cagagcagt gagaatgggca cccagagtag atgctgaccc gggcactcca 1550
96 ccattccggg gccaccacag agatgccagc aggatgccac tttgccagcc 1600
98 cgacacacgg accttgtaa agaacagcaa caggcaggag aggacgcgtg 1650
100 tgaccagatt gtgtcccgta attgggtggc atatgttaac tagctccaa 1700
102 acaacttcaa cccgtgtaat tcattgtacat ttgcaacagc cagcccgta 1750
104 cagcctgtgt gacttctctg tatgtgtgtg tgtgtcgta ccagcctaag 1800
106 tagtttagcat aactcaagat gctgtatgtgc agtcacccat cagagaaaat 1850
108 aaaaatggaa accacgttca cagcattta aaagttttta cttttttct 1900
110 tgattatggaa agtaatccat gtacatagta aatcatttta aaagtacaaa 1950
112 aagtatgaag aagtttgtct taaaaaaaaaaaaaaa 1989
114 <210> SEQ_ID NO: 2
115 <211> LENGTH: 245
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 2
120 His Glu Gly Val Thr Gly Ala Arg Pro Val Lys Thr Leu Leu Ala
121 1 5 10 15
123 Gly Ala Thr Ser Leu Pro Ala Ala Arg Asn Gly Asn Gly Val Lys
124 20 25 30
126 Gly Asp Pro Ser Thr Trp Pro Arg Gly Ser Ala Met Glu Leu Lys
127 35 40 45
129 Gln Ser Leu Ser Thr His Leu Glu Ala Glu Lys Pro Leu Arg Arg
130 50 55 60
132 Tyr Gly Ala Val Glu Glu Thr Ala Trp Lys Thr Glu Arg Leu Gly
133 65 70 75
135 Arg Asn Gln Leu Asp Ile Ile Ser Met Ala Glu Thr Thr Met Met
136 80 85 90
138 Pro Glu Glu Ile Glu Leu Glu Met Ala Lys Ile Gln Arg Leu Arg
139 95 100 105
141 Glu Val Leu Val Arg Arg Glu Ser Glu Leu Arg Phe Met Met Asp
142 110 115 120
144 Asp Ile Gln Leu Cys Lys Asp Ile Met Asp Leu Lys Gln Glu Leu
145 125 130 135
147 Gln Asn Leu Val Ala Ile Pro Glu Lys Glu Lys Thr Lys Leu Gln
148 140 145 150
150 Lys Gln Arg Glu Asp Glu Leu Ile Gln Lys Ile His Lys Leu Val
151 155 160 165
153 Gln Lys Arg Asp Phe Leu Val Asp Asp Ala Glu Val Glu Arg Leu
154 170 175 180

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 PATENT APPLICATION: US/10/527,100 TIME: 08:51:02

Input Set : F:\P1977R1 Sequence Listing.txt
 Output Set: N:\CRF4\05122006\J527100.raw

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156 Arg Glu Gln Glu Glu Asp Lys Glu Met Ala Asp Phe Leu Arg Ile
157           185           190           195
159 Lys Leu Lys Pro Leu Asp Lys Val Thr Lys Ser Pro Ala Ser Ser
160           200           205           210
162 Arg Ala Glu Lys Lys Ala Glu Pro Pro Pro Ser Lys Pro Thr Val
163           215           220           225
165 Ala Lys Thr Gly Leu Ala Leu Ile Lys Asp Cys Cys Gly Ala Thr
166           230           235           240
168 Gln Cys Asn Ile Met
169           245
171 <210> SEQ ID NO: 3
172 <211> LENGTH: 649
173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
176 <220> FEATURE:
177 <221> NAME/KEY: unsure
178 <222> LOCATION: 524
179 <223> OTHER INFORMATION: unknown base
181 <400> SEQUENCE: 3
182 cattttaaa cttnnnnnn aattttattt tggtagctag gttttatatt 50
184 gttcttaaat ttattnact ctattnattt tttccatcac ttctttgtcc 100
186 cagattcatg aaatttgctg atgtccattt tatgtctact tttgaactct 150
188 tctcttgcgt tttgtttgt tcttattaca aactccaaga catttcctag 200
190 aattgtctac agatttcgtg tagctactta ttggtagctt cttaaattca 250
192 tacttgtcca gaccattaga cattattaca tgctctgtct tgggcctatac 300
194 attaacatata gcttagggat tctgattca aagacataaa gaattggcaa 350
196 aactcttott acagaactta aaacaagtta taaagttaca ttctataaca 400
198 tctaatacat aataccttct tagccattaa tgtaattccct ctggataaag 450
200 ataatatatt caaaaaatata tgggaccaaa aaatgcactt gtttcttgct 500
W--> 202 catatatata tagatgtaaa atnttttaa ttctttgttt gtttattttg 550
204 gttacattga atacagattt gctgaacagt ttgtatgtta ttttttaat 600
206 aaaatttgtta ttgttaaagt gccttgaaa ttcttaataa ataacttca 649
208 <210> SEQ ID NO: 4
209 <211> LENGTH: 655
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 4
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216 gaaaatcggtt ctgc cacatgatcc aagctttgct ataaaaagg 100
218 tagaagatgt ccaagaacctt gttgataatg aattgggctt ccagcaagtt 150
220 gttccttaaat gtccaaacaa aataaaaaact tttcttgtaa tatctggatg 200
222 aaaagagagt agttgggtgt ttaattgcag aaccatcaa acaggcattt 250
224 cgtgtccctgt ctgaaccaat tggccagaa tccccaagct ctacggaatg 300
226 tcctagggtt tggcaatgtt cagatgtacc agaacctgca gtctgtggaa 350
228 taagtagaat ctgggtttc agactgaaga gaagaaagcg cattgcaaga 400
230 cgactgggtt ataccctcag gaattgcctc atgtttggct gtttctcag 450
232 cactgatgaa atagcatttt ctgacccaaac accagatggc aagttatgg 500
234 caaccaagta ctgcaacacc cctaatttcc tcgtatataa tttaatagt 550
236 taaagctgat ttcaatttata aaggagttac tatctggata agttcaaaga 600

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,100

DATE: 05/12/2006

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Input Set : F:\P1977R1_Sequence_Listing.txt
 Output Set: N:\CRF4\05122006\J527100.raw

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238 gctccttatt ataaaataca aactatttaa tatcaaaata aaaaataccg 650
240 agact 655
242 <210> SEQ ID NO: 5
243 <211> LENGTH: 66
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 5
248 Lys Tyr Val Gly Trp Lys Glu Arg Val Val Ala Glu Phe Trp
249      5           10          15
251 Asp Gly Lys Ile Val Leu Val Leu Pro His Asp Pro Ser Phe Ala
252      20          25          30
254 Ile Lys Lys Val Glu Asp Val Gln Glu Leu Val Asp Asn Glu Leu
255      35          40          45
257 Gly Phe Gln Gln Val Val Pro Lys Cys Pro Asn Lys Ile Lys Thr
258      50          55          60
260 Phe Leu Val Ile Ser Gly
261      65
263 <210> SEQ ID NO: 6
264 <211> LENGTH: 1332
265 <212> TYPE: DNA
266 <213> ORGANISM: Homo sapiens
268 <400> SEQUENCE: 6
269 ggcacgagaa aaaacattaa gacagaacct aaaaacaata gattgactat 50
271 aatccaaaga cgagtgtacc tctaaccaca attttcattt atttttaaat 100
273 gtttccttca tggccttct tggcgtcac cctatgcgt ttgtgtattt 150
275 gttgacaact ttatgtgttt ttaatatatgtt ttttgccaaa cttgggtttt 200
277 ccgagaccgt cttttctcag aggctcagtt ttaccgtctt atctgcagtc 250
279 ggctactttc agtgggcaga agaggccaca tctgcttctt gttaggcctc 300
281 tgggcagaag catgcgtgg tgcgtccccc tgatctggc ccagggctg 350
283 aggccaggctc ccctcgccctc aggaatgatg acaggcaca tagaaacaac 400
285 ggggaacatt tctgcagaga aagggtggctc tatacatcttta caatgtcacc 450
287 tctcctccac cacggcacaa gtgaccagg tcaactggga gcagcaggac 500
289 cagcttctgg ccatttgtaa tgctgacttg gggtggcaca tctccccatc 550
291 cttcaaggat cgagtggccc caggtccctgg cctggccctc accctccagt 600
293 cgctgaccgt gaacgataca ggggagact tctgcatcta tcacacctac 650
295 cctgatggga cgtacactgg gagaatcttctt ctggagggtcc tagaaagctc 700
297 agtggctgag cacggtgcca ggttccagat tccattgctt ggagccatgg 750
299 ccgcgacgct ggtgtcatc tgcacagcag tcatcgtgg ggtcgcttg 800
301 actagaaaaga agaaaggccct cagaatccat tctgtggaaag gtgacccatc 850
303 gagaaaatca gctggacagg aggaatggag ccccaagtgtcc ccctcaccc 900
305 caggaagctg tgtccaggca gaagctggcac ctgtgggct ctgtggagag 950
307 cagcggggag aggactgtgc cgagctgcat gactacttca atgtccctgag 1000
309 ttacagaagc ctggtaact gcagcttctt cacagagact ggttagcaac 1050
311 cagaggcatc ttcttggaaaga tacacttttgc tctttgttat tatagatgaa 1100
313 tatataagca gctgtactct ccatcagtgc tgcgtgtgtg tgtgtgtgt 1150
315 tatgtgtgtg tgtgttcagt tgagtgaata aatgtcatcc tcttctccat 1200
317 cttcatttcc ttggcctttt cgttctattt cattttgtat tatggcaggc 1250
319 cttagggtgag taacgtggat cttgatcata aatgcaaaat taaaaaatat 1300
321 cttgacctgg ttttaaaaaaa aaaaaaaaaaa aa 1332

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RAW SEQUENCE LISTING

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Input Set : F:\P1977R1 Sequence Listing.txt
 Output Set: N:\CRF4\05122006\J527100.raw

323 <210> SEQ ID NO: 7
 324 <211> LENGTH: 244
 325 <212> TYPE: PRT
 326 <213> ORGANISM: Homo sapiens
 328 <400> SEQUENCE: 7
 329 Met Arg Trp Cys Leu Leu Leu Ile Trp Ala Gln Gly Leu Arg Gln
 330 1 5 10 15
 332 Ala Pro Leu Ala Ser Gly Met Met Thr Gly Thr Ile Glu Thr Thr
 333 20 25 30
 335 Gly Asn Ile Ser Ala Glu Lys Gly Gly Ser Ile Ile Leu Gln Cys
 336 35 40 45
 338 His Leu Ser Ser Thr Thr Ala Gln Val Thr Gln Val Asn Trp Glu
 339 50 55 60
 341 Gln Gln Asp Gln Leu Leu Ala Ile Cys Asn Ala Asp Leu Gly Trp
 342 65 70 75
 344 His Ile Ser Pro Ser Phe Lys Asp Arg Val Ala Pro Gly Pro Gly
 345 80 85 90
 347 Leu Gly Leu Thr Leu Gln Ser Leu Thr Val Asn Asp Thr Gly Glu
 348 95 100 105
 350 Tyr Phe Cys Ile Tyr His Thr Tyr Pro Asp Gly Thr Tyr Thr Gly
 351 110 115 120
 353 Arg Ile Phe Leu Glu Val Leu Glu Ser Ser Val Ala Glu His Gly
 354 125 130 135
 356 Ala Arg Phe Gln Ile Pro Leu Leu Gly Ala Met Ala Ala Thr Leu
 357 140 145 150
 359 Val Val Ile Cys Thr Ala Val Ile Val Val Val Ala Leu Thr Arg
 360 155 160 165
 362 Lys Lys Lys Ala Leu Arg Ile His Ser Val Glu Gly Asp Leu Arg
 363 170 175 180
 365 Arg Lys Ser Ala Gly Gln Glu Glu Trp Ser Pro Ser Ala Pro Ser
 366 185 190 195
 368 Pro Pro Gly Ser Cys Val Gln Ala Glu Ala Ala Pro Ala Gly Leu
 369 200 205 210
 371 Cys Gly Glu Gln Arg Gly Glu Asp Cys Ala Glu Leu His Asp Tyr
 372 215 220 225
 374 Phe Asn Val Leu Ser Tyr Arg Ser Leu Gly Asn Cys Ser Phe Phe
 375 230 235 240
 377 Thr Glu Thr Gly
 380 <210> SEQ ID NO: 8
 381 <211> LENGTH: 1336
 382 <212> TYPE: DNA
 383 <213> ORGANISM: Homo sapiens
 385 <400> SEQUENCE: 8
 386 gtcagtcgca agcgaacgac caagagggtg ttgcactgct agagccgagc 50
 388 gaagcgatgc ctaaatcaaa ggaacttgg tcttcaggct cttctggcag 100
 390 tgattctgac agtgagggtt aaaaaaagt aaagaggaaa aagcaagttg 150
 392 ctccagaaaa acctgtaaag aaacaaaaaga caggtgagac ttcgagagcc 200
 394 ctgtcatctt ctaaacagag cagcagcagc agagatgata acatgtttca 250
 396 gattggaaaa atgaggtacg ttagtgttcg cgattttaaa ggcaaagtgc 300

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/12/2006
PATENT APPLICATION: US/10/527,100 TIME: 08:51:03

Input Set : F:\P1977R1 Sequence Listing.txt
Output Set: N:\CRF4\05122006\J527100.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 524
Seq#:15; N Pos. 688,734,762,788
Seq#:18; N Pos. 7,11,12,26,28,567,583,586,587,588,589,591,593,594,597,599
Seq#:18; N Pos. 601,602,605,609,617,619,630,634,638,640,641,646,647,648,651
Seq#:18; N Pos. 652,656,657,658,660,665,667,668,671,672,673,678,679,683,684
Seq#:18; N Pos. 687,689,692,693,694,697,698,702,704,711,713,716,718,719,721
Seq#:18; N Pos. 723,724,725,728,730,731,736,740,742,744,746,748,749,757,758
Seq#:18; N Pos. 759,760,763,764,767,768,769,770,774,775
Seq#:46; N Pos. 779
Seq#:62; N Pos. 3011,3213
Seq#:68; N Pos. 37
Seq#:76; N Pos. 72
Seq#:93; N Pos. 1823,1824,1825,1826,1827,1828,1829,1830,1831,1832,1833,1834
Seq#:93; N Pos. 1835,1836,1837,1838,1839,1840,1841,1842,1843,1844,1845,1846
Seq#:93; N Pos. 1847,1848,1849,1850,1851,1852,1853,1854
Seq#:106; N Pos. 421

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/527,100

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Input Set : F:\P1977R1 Sequence Listing.txt
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L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:500
L:890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:650
L:892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:700
L:894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:750
L:1133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:1155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:550
L:1157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:600
L:1159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:650
L:1161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:700
L:1163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:750
L:3637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:750
L:5023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:3000
L:5031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:3200
L:5279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0
L:5816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:50
L:7144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:1800
L:7146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:1850
L:7856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:400